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DATE: August 12, 2004

TO: U.S. Patent & Trademark Office  
Group Art Unit 3742

FAX #: 1-(703) 872-9306

PHONE #:

Application No.: 10/822,548  
Applicant: Seghatol et al.  
Due Date: N/A

OUR REF.: 1550.36US03

FROM: Brad Pedersen  
PHONE #: (612) 349-5774

Attached please find the following for filing in the above-identified application.

- (1) Information Disclosure Statement;
- (2) Form PTO-1449 U.S. & Foreign documents; and
- (3) Form PTO-1449 Non-Patent Publications.

Respectfully submitted,

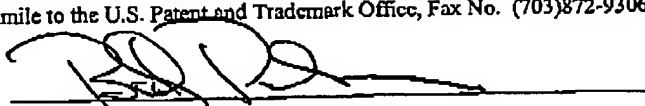


Brad Pedersen  
Registration No. 32,432

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## PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Attorney Docket No.: 1550.36US03

Seghatol et al.

Confirmation No.: 1792

Application No.: 10/822,548

Examiner: Not Assigned

Filed: April 12, 2004

Group Art Unit: 3742

For: HAND-HELD MICROWAVE POLYMERIZATION SYSTEM FOR DENTISTRY

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This information is being filed before the mailing date of a first Office Action on the merits. No certification or fee is required.

Copies of the references were cited by or submitted to the Office in Patent Application No. 09/897,317, filed July 2, 2001, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these references are not attached. 37 C.F.R. § 1.98(d).

Application No. 10/822,548

This application was filed after June 30, 2003; therefore, copies of cited U.S. patents and U.S. published applications are not included.

Respectfully submitted,



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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/822,548
				Filing Date	April 12, 2004
				First Named Inventor	Seghatol, et al.
				Art Unit	3742
				Examiner Name	Not Assigned
				Attorney Docket Number	1550.36US03
Sheet	1	of	3	U.S. PATENT DOCUMENTS	
EXAMINER INITIAL <sup>1</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	
		Number-Kind Code <sup>2</sup> (if known)			
		US-4,527,560	07-1985	Masreliez	
		US-4,873,269	10-1989	Nakazato	
		US-4,971,735	11-1990	Uebayashi	
		US-5,147,903	09-1992	Podszun et al.	
		US-5,151,279	09-1992	Kimura	
		US-5,175,008	12-1992	Ueno	
		US-5,218,070	06-1993	Blackwell	
		US-5,302,104	04-1994	Ueda	
		US-5,324,186	06-1994	Bakanowski	
		US-5,421,727	06-1995	Stevens et al.	
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		US-5,510,411	04-1996	McKinstry et al.	
		US-5,645,748	07-1997	Schiffmann et al.	
		US-5,893,713	04-1999	Garman et al.	
		US-			
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		US-			
FOREIGN PATENT DOCUMENTS					
EXAMINER INITIAL <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
		EP 0 687 451 A2	12-1995	Goerlich et al.	
		JP 7031632A	02-1995	Teraoka et al.	
		CA 2,148,536	11-1995	Goerlich et al.	
		CA 2,120,880	10-1995	Seghatol et al.	
		EP 0 193 514 B1	08-1990	DeClerck	
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<p><sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> <p><sup>2</sup>Applicant's unique citation designation number (optional). <sup>3</sup>See Kinds Codes of USPTO Patent Documents at <a href="http://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>4</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup>Applicant is to place a check mark here if English language translation is attached.</p> <p>This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.</p>					

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				Examiner Name	Not Assigned
Sheet	2	of	3	Attorney Docket Number	1550.36US03

## NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIAL*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Feilzer AJ et al., "Curing contraction of composites and glass-ionomer cements," <i>Journal of Prosthetic Dentistry</i> , Vol. 59, pp. 297-300 (1988).	
		Ferracane JL et al., "Wear and marginal breakdown of composite with various degrees of cure," <i>J Dent. Res.</i> , Vol. 76, No. 8, pp. 1508-16 (1997).	
		Hayden WJ, "Flexure strength of microwave-cured denture baseplates", <i>General Dentistry</i> , Vol. 343, pp. 367 (1986).	
		Al Doori D et al. "A comparison of denture base acrylic resins polymerised by microwave irradiation and by conventional water bath curing systems," <i>Dental Materials</i> , Vol. 4, pp. 25-32 (1988).	
		Geerts G et al., "A comparison of the bond strengths of microwave and water bath-cured denture materials," <i>The Journal of Prosthetic Dentistry</i> , Vol. 66, No. 3, pp. 403-07 (Sept. 1991).	
		Turck MD et al, "Microwave processing for dentures, relines, repairs and rebases," <i>The Journal of Prosthetic Dentistry</i> , Vol. 69, No. 3, pp. 340-43 (1993).	
		Wallace PW et al., "Dimensional accuracy of denture resin cured by microwave energy," <i>The Journal of Prosthetic Dentistry</i> , Vol. 68, pp. 634-40 (1992).	
		Salim S. et al. "The dimensional accuracy of rectangular acrylic resin specimens cured by three denture base processing methods," <i>The Journal of Prosthetic Dentistry</i> , Vol. 67, pp. 879-85 (1992).	
		Ferracane JL, "Elution of leachable components from composites," <i>Journal of Oral Rehabilitation</i> , Vol. 21, pp. 441-52 (1994).	
		Hume WR et al., "Bioavailability of components of resin-based materials which are applied to teeth," <i>Crit. Rev. Oral Biol. Med.</i> , Vol. 7, No. 2, pp. 172-79 (1996).	
		Urabe H. et al. in "Influence of polymerization initiator for base monomer on microwave curing of composite resin inlays," <i>Journal of Oral Rehabilitation</i> , Vol. 26, pp. 442-46 (1999).	
		"The Prosthoflex automated injection system from ATP Industries, Inc." <i>Dental Lab Products</i> , Sept./Oct. 1995, pp. 14.	

EXAMINER  
SIGNATUREDATE  
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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				Art Unit	3742
				Examiner Name	Not Assigned
Sheet	3	of	3	Attorney Docket Number 1550.36US03	
<b>NON PATENT LITERATURE DOCUMENTS</b>					
EXAMINER INITIAL <sup>2</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
		N. Hoshi et al in "Application of Microwaves and Millimeter Waves for the Characterization of Teeth for Dental Diagnosis and Treatment," <i>IEEE Transactions on Microwave Theory and Techniques</i> , June 1998, Vol. 46, No. 6, pp. 834-38.			
EXAMINER SIGNATURE				DATE CONSIDERED	
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.</p> <p>This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.</p> <p style="text-align: center;">If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.</p>					